

ATTACHMENT "A"
Academic Year 2017-2018

Program (Discipline) or Department Name	TOPS (Required for programs)
Automotive Technology	094800

List the projects included in your 2017-2018 by name and number

Number	Project Name	Total Perkins Funds Requested
1.0	Laboratory Instructional Resources	\$125,000
2.0	Classroom Instructional Resources	\$40,000
3.0	Professional Development / Instructor Training - 4 Instructors	\$20,000
4.0	Recruitment Marketing and Activity Supplies	\$5,000
Total Amount of Perkins Funds Requested		\$190,000

Perkins Discipline/Department Planning/Implementation Team

VTEA Primary Contact Name	Phone	Email Address
Vic Posey	395.4532	vposey@bakersfieldcollege.edu

List other departments/discipline members/key staff who will be involved in the 2017-2018 Perkins plan and implementation:

Name	Phone	Email Address
Andrew Haney	395.4574	andrew.haney@bakersfieldcollege.edu
Justin Flint	395.4384	justin.flint@bakersfieldcollege.edu

Signatures (Required)

Your signature below indicates that this proposal has the support of the department/discipline and that the plan is aligned with overall college objectives:

Department Chair (Date)

Dean, Career Technical Education (Date)

**ATTACHMENT “B” (Limit to one project)
Academic Year 2017-2018**

Program (Discipline) or Department Name	TOPS (Required for programs)
Automotive Technology	094800

Description of Project

Number	Project Name	Total Perkins Funds Requested
1.0	Laboratory Instructional Resources	\$125,000

Limit to one project

<p>Briefly describe gap to be addressed (Briefly describe program improvement issue(s))</p>	<ul style="list-style-type: none"> • <i>Brief Summary of Request: Purchase Instructional Resources to cover current technology</i> • <i>Brief Rationale of Program: Bakersfield College is the only fully staffed and equipped training facility in the Kern Community College District providing training for the Automotive & Transportation Industries for the south central valley.</i> • <i>Improvement Issue(s): Provide Equipment needed to meet current industry technology standards in areas such as Brake Systems, Wheel Alignment Systems, HVAC Systems, Emissions Control Systems, Engine Performance Monitoring, Measuring, and Quality Control Standards.</i> • <i>Core Indicators to Address:</i> <i>Persistence – 2.54% below goal</i> <i>Employment – 16.98% below goal</i> <i>Nontraditional Participation – 11.38% below goal</i> <i>Nontraditional Completion – 13.65% below goal</i> • <i>Supporting Labor Market Data (data provided by SOC Code): The Bakersfield College Automotive Technology market will see 232career opportunities in the next 12 months. With the average age of an automotive technician over 60 and the average hourly earnings at close to \$25 per hour, this market should continue to see a high demand for highly trained applicants. Employment statistics and projections from the U.S. Bureau</i>
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	<p><i>of Labor Statistics, California Employment Development Department, Economic Modeling Specialists, Inc and the Bakersfield Automotive Advisory Committee all show a substantial need, as well as projected growth, for highly qualified applicants in both our immediate market area and across the nation. Since the Bakersfield College Automotive Program has continually trained so many completers, there is ample proof that the program will continue to meet the documented labor market demand.</i></p> <ul style="list-style-type: none"> • <i>EMSI Data:</i> • <i>A) Number of jobs within the above occupation(s) for 2015</i> <i>4,562</i> • <i>B) Number of jobs within the above occupations(s) for 2020</i> <i>4,902</i> • <i>C) Number and percent change (2010 to 2015)</i> <i>340 (7.5 %)</i> • <i>D) The average hourly earnings for the above occupation(s)</i> <i>\$23.23</i> • <i>E) Number of annual openings</i> <i>232</i>
<p>Briefly describe how the gap(s) will be addressed (Briefly describe how the issue(s) will be addressed)</p>	<p><i>We are seeking to update and replace very Instructional Resources as well as add new Instructional Resources to our labs in an effort to give our students the most accurate training using the current technology found on the same equipment they will use in the workplace.</i></p>
<p>Measurement or Evidence of Project Success</p>	<ul style="list-style-type: none"> • <i>Identify specific core indicator measures to be improved/evidence:</i> <ul style="list-style-type: none"> <i>Employment – New equipment means new skills learned through hands-on application in all of our students. The ability to provide more current, relevant training will increase the employability all of our students</i> <i>Persistence – The ability to provide more current, relevant training will encourage persistence in all of our students</i> <i>Nontraditional Participation & Completion –Our Non Traditional students have had very little, if any, previous exposure to the tools & equipment used in our industry. The participation & completion of our Non-traditional student relies largely on their ability to operate up to date, relevant equipment as part of their ‘hands-on’ learning experience. Our Non-traditional students need to literally use the tools & equipment</i>

	<p><i>supplied with the most current technology that they will encounter in this industry to complete the learning cycle and prepare them to go to work in this field.</i></p> <ul style="list-style-type: none"> • <i>Other measures to be improved/evidence:</i> <ul style="list-style-type: none"> • <i>We have, and will continue to, host workshops focused directly on Non-traditional Students to promote their participation in our program.</i> • <i>We have established a priority registration system to allow our Non-traditional students an added opportunity to participate in our program.</i> • <i>Our department will benefit from a higher level of perceived value from potential students who will look at the training resources before deciding to peruse training here at Bakersfield College. The quality of our incoming student will improve which will have a positive impact on the quality of student we will produce.</i> • <i>Our program has direct articulation with all local high schools. All of our classes are transferable to the UC system.</i> • <i>Our advisory committee is one of the most active on campus and keeps our faculty orientated on the issues that allow us to most effectively train employable students.</i> • <i>We have participated in one on one presentations with the feeder schools in our area.</i>
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Description of Project Activities and Spending Plan (add or delete rows as needed):

No.	Describe Activity	Timeline	Must Reference Requ'd. Use	Approx Amount of Funds Requested	Object Code	Description of Vendor
1.0	Provide Equipment needed to meet industry standards in areas such as Brake Systems, Wheel Alignment Systems, HVAC Systems, Emissions Control Systems, Engine Performance Monitoring, Measuring, and Quality Control Standards.	Immediately, as funds are made available	1, 2, 3, 4, 5, 7, 8 & 9	\$125,000		

Describe project details including:

- **who will responsible for project**
- **when it will be done**
- **what outcomes are expected or targeted and**
- **how/when/who assessment will be reported**

All automotive faculty

As soon as funds are available

Increases in all core indicator measurements

All Auto faculty will provide assessment data that is already being collect through the assessment of our students' comprehension. The data will be available to report upon request

Academic Year 2017-2018

Program (Discipline) or Department Name	TOPS (Required for programs)
Automotive Technology	094800

Description of Project

Number	Project Name	Total Perkins Funds Requested
2.0	Classroom Instructional Resources	\$40,000

Limit to one project

<p>Briefly describe gap to be addressed (Briefly describe program improvement issue(s))</p>	<ul style="list-style-type: none"> • <i>Brief Summary of Request: Update Audio and Video presentation technology in the four Automotive classrooms</i> • <i>Brief Rationale of Program: Bakersfield College is the only fully staffed and equipped training facility in the Kern Community College District providing training for the Automotive & Transportation Industries for the south central valley.</i> • <i>Improvement Issue(s): Our current classrooms are equipped with greatly outdated, unsupported and non-functioning projectors, computers and presentation resources that need to be replaced to provide a focused, efficient and successful learning environment for our students.</i> • <i>Core Indicators to Address:</i> <ul style="list-style-type: none"> <i>Persistence – 2.54% below goal</i> <i>Employment – 16.98% below goal</i> <i>Nontraditional Participation – 11.38% below goal</i> <i>Nontraditional Completion – 13.65% below goal</i> • <i>Supporting Labor Market Data (data provided by SOC Code): The Bakersfield College Automotive Technology market will see 232 career opportunities in the next 12 months. With the average age of an automotive technician over 60 and the average hourly earnings at close to \$25 per hour, this market should continue to see a high demand for highly trained applicants. Employment statistics and projections from the U.S. Bureau of Labor Statistics, California Employment Development Department, Economic Modeling Specialists, Inc and the Bakersfield Automotive Advisory Committee all show a substantial need, as well as projected growth, for highly qualified applicants in both our immediate market area and across the nation. Since the Bakersfield College</i>
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	<p><i>Automotive Program has continually trained so many completers, there is ample proof that the program will continue to meet the documented labor market demand.</i></p> <ul style="list-style-type: none"> • <i>EMSI Data:</i> • <i>A) Number of jobs within the above occupation(s) for 2015</i> <i>4,562</i> • <i>B) Number of jobs within the above occupations(s) for 2020</i> <i>4,902</i> • <i>C) Number and percent change (2010 to 2015)</i> <i>340 (7.5 %)</i> • <i>D) The average hourly earnings for the above occupation(s)</i> <i>\$23.23</i> • <i>E) Number of annual openings</i> <i>232</i>
<p>Briefly describe how the gap(s) will be addressed (Briefly describe how the issue(s) will be addressed)</p>	<p><i>Our industry is one of constantly changing technology with many new break troughs in systems such as Hybrid and Alternative Fuels. This requires continual update technology and instructional resources to convey the information in a format that is visually stimulating to students are accustomed to high definition, focused displays.</i></p>
<p>Measurement or Evidence of Project Success</p>	<ul style="list-style-type: none"> • <i>Identify specific core indicator measures to be improved/evidence: Nontraditional students are more susceptible the distraction of less than current technology and presentation methods. They need to be made comfortable with familiar presentation methods and resources.</i> • <i>Other measures to be improved/evidence:</i> <ul style="list-style-type: none"> • <i>We have, and will continue to, host workshops focused directly on Non-traditional Students to promote their participation in our program.</i> • <i>We have established a priority registration system to allow our Non-traditional students an added opportunity to participate in our program.</i> • <i>Our department will benefit from a higher level of perceived value from potential students who will look at the training resources before deciding to peruse training here at Bakersfield College. The quality of our incoming student will improve which will have a positive impact on the quality of student we will produce.</i> • <i>Our program has direct articulation with all local high schools. All of our classes are transferable to the UC system.</i> • <i>Our advisory committee is one of the most active on campus and keeps our faculty orientated on the issues that allow us to most effectively train employable students.</i> • <i>We have participated in one on one presentations with the feeder schools in our area.</i>

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Description of Project Activities and Spending Plan (add or delete rows as needed):

No.	Describe Activity	Timeline	Must Reference Requ'd. Use	Approx Amount of Funds Requested	Object Code	Description of Vendor
1.0	<i>Update Audio and Video presentation technology in the four Automotive classrooms</i>	As soon as funds are available	1, 2, 3, 4, 5, 7, 8 & 9	\$40,000		
<p>Describe project details including:</p> <ul style="list-style-type: none"> • who will responsible for project • when it will be done • what outcomes are expected or targeted and • how/when/who assessment will be reported 						
<p>All automotive faculty As soon as funds are available Increases in all core indicator measurements All Auto faculty will provide assessment data that is already being collect through the assessment of our students' comprehension. The data will be available to report upon request</p>						

Academic Year 2017-2018

Program (Discipline) or Department Name	TOPS (Required for programs)
Automotive Technology	094800

Description of Project

Number	Project Name	Total Perkins Funds Requested
3.0	Professional Development / Instructor Training – Four Instructors	\$20,000

Limit to one project

<p>Briefly describe gap to be addressed (Briefly describe program improvement issue(s))</p>	<ul style="list-style-type: none"> • <i>Brief Summary of Request: Provide funding for Professional Development and Training of our Instructors</i> • <i>Brief Rationale of Program: Bakersfield College is the only fully staffed and equipped training facility in the Kern Community College District providing training for the Automotive & Transportation Industries for the south central valley.</i> • <i>Improvement Issue(s): Our industry is one of constantly changing technology with many new break troughs in systems such as Hybrid and Alternative Fuels. This requires continual update training for our instructors to provide the most up to date, relative training in the current technology to prepare our students to enter the Automotive industry.</i> • <i>Core Indicators to Address:</i> <i>Persistence – 2.54% below goal</i> <i>Employment – 16.98% below goal</i> <i>Nontraditional Participation – 11.38% below goal</i> <i>Nontraditional Completion – 13.65% below goal</i> • <i>Supporting Labor Market Data (data provided by SOC Code): The Bakersfield College Automotive Technology market will see 232career opportunities in the next 12 months. With the average age of an automotive technician over 60 and the average hourly earnings at close to \$25 per hour, this market should continue to see a high demand for highly trained applicants. Employment statistics and projections from the U.S. Bureau of Labor Statistics, California Employment Development Department, Economic</i>
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	<p><i>Modeling Specialists, Inc and the Bakersfield Automotive Advisory Committee all show a substantial need, as well as projected growth, for highly qualified applicants in both our immediate market area and across the nation. Since the Bakersfield College Automotive Program has continually trained so many completers, there is ample proof that the program will continue to meet the documented labor market demand.</i></p> <ul style="list-style-type: none"> • <i>EMSI Data:</i> • <i>A) Number of jobs within the above occupation(s) for 2015</i> <i>4,562</i> • <i>B) Number of jobs within the above occupations(s) for 2020</i> <i>4,902</i> • <i>C) Number and percent change (2010 to 2015)</i> <i>340 (7.5 %)</i> • <i>D) The average hourly earnings for the above occupation(s)</i> <i>\$23.23</i> • <i>E) Number of annual openings</i> <i>232</i>
<p>Briefly describe how the gap(s) will be addressed (Briefly describe how the issue(s) will be addressed)</p>	<p><i>Our industry is one of constantly changing technology with many new break troughs in systems such as Hybrid and Alternative Fuels. This requires continual update training for our instructors to provide the most up to date, relative training to prepare our students to enter the Automotive industry.</i></p>
<p>Measurement or Evidence of Project Success</p>	<ul style="list-style-type: none"> • <i>Identify specific core indicator measures to be improved/evidence:</i> <i>Employment – New equipment means new skills learned through hands-on application in all of our students. The ability to provide more current, relevant training will increase the employability all of our students</i> <i>Persistence – The ability to provide more current, relevant training will encourage persistence in all of our students</i> <i>Nontraditional Participation & Completion - Instructors trained in the most current, relevant technology will be able to provide focused and specialized training to our nontraditional students to enable them to participate in &complete this program.</i>

- *Other measures to be improved/evidence:*
 - *We have, and will continue to, host workshops focused directly on Non-traditional Students to promote their participation in our program.*
 - *We have established a priority registration system to allow our Non-traditional students an added opportunity to participate in our program.*
 - *Our department will benefit from a higher level of perceived value from potential students who will look at the training resources before deciding to peruse training here at Bakersfield College. The quality of our incoming student will improve which will have a positive impact on the quality of student we will produce.*
 - *Our program has direct articulation with all local high schools. All of our classes are transferable to the UC system.*
 - *Our advisory committee is one of the most active on campus and keeps our faculty orientated on the issues that allow us to most effectively train employable students.*
 - *We have participated in one on one presentations with the feeder schools in our area.*

Description of Project Activities and Spending Plan (add or delete rows as needed):

No.	Describe Activity	Timeline	Must Reference Requ'd. Use	Approx Amount of Funds Requested	Object Code	Description of Vendor
3.0	We continue to seek training and up to date information from attending seminars, trade shows and conferences such as the National Automotive Technicians Education Foundation, the North American Council of Automotive Teachers and the California Automotive Teachers Association	Immediately, as funds are made available	1, 2, 3, 4, 5, 6, 7, 8 & 9	\$20,000		

Describe project details including:

- **who will responsible for project**
- **when it will be done**
- **what outcomes are expected or targeted and**
- **how/when/who assessment will be reported**

All automotive faculty

As soon as funds are available

Increases in all core indicator measurements

All Auto faculty will provide assessment data that is already being collect through the assessment of our students' comprehension. The data will be available to report upon request

Academic Year 2017-2018

Program (Discipline) or Department Name	TOPS (Required for programs)
Automotive Technology	094800

Description of Project

Number	Project Name	Total Perkins Funds Requested
4.0	Recruitment Marketing and Activity Supplies	\$5,000

Limit to one project

<p>Briefly describe gap to be addressed (Briefly describe program improvement issue(s))</p>	<ul style="list-style-type: none"> • <i>Brief Summary of Request: Create plaques that display the names of students who have earned Certificate, Degrees, transferred to a university and or have found a job in the industry.</i> • <i>Brief Rationale of Program: Bakersfield College is the only fully staffed and equipped training facility in the Kern Community College District providing training for the Automotive & Transportation Industries for the south central valley.</i> • <i>Improvement Issue(s): Make Non-traditional students aware of the opportunities in our industry and the availability of specialized training from Bakersfield College. Use our linkages with area schools to market & recruit top quality students to our program.</i> • <i>Core Indicators to Address:</i> <i>Persistence – 2.54% below goal</i> <i>Employment – 16.98% below goal</i> <i>Nontraditional Participation – 11.38% below goal</i> <i>Nontraditional Completion – 13.65% below goal</i> • <i>Supporting Labor Market Data (data provided by SOC Code): The Bakersfield College Automotive Technology market will see 232career opportunities in the next 12 months. With the average age of an automotive technician over 60 and the average hourly earnings at close to \$25 per hour, this market should continue to see a high demand for highly trained applicants. Employment statistics and projections from the U.S. Bureau of Labor Statistics, California Employment Development Department, Economic</i>
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	<p><i>Modeling Specialists, Inc and the Bakersfield Automotive Advisory Committee all show a substantial need, as well as projected growth, for highly qualified applicants in both our immediate market area and across the nation. Since the Bakersfield College Automotive Program has continually trained so many completers, there is ample proof that the program will continue to meet the documented labor market demand.</i></p> <ul style="list-style-type: none"> • <i>EMSI Data:</i> • <i>A) Number of jobs within the above occupation(s) for 2015</i> <i>4,562</i> • <i>B) Number of jobs within the above occupations(s) for 2020</i> <i>4,902</i> • <i>C) Number and percent change (2010 to 2015)</i> <i>340 (7.5 %)</i> • <i>D) The average hourly earnings for the above occupation(s)</i> <i>\$23.23</i> • <i>E) Number of annual openings</i> <i>232</i>
<p>Briefly describe how the gap(s) will be addressed (Briefly describe how the issue(s) will be addressed)</p>	<p><i>Make Non-traditional students aware of the opportunities in our industry and the availability of specialized training from Bakersfield College. Recognize the accomplishments of our students to promote and encourage current and future student persistence and completion through recruiting events at area schools and community events.</i></p>
<p>Measurement or Evidence of Project Success</p>	<ul style="list-style-type: none"> • <i>Identify specific core indicator measures to be improved/evidence:</i> <i>The advertisement of previous students' success stories will promote the Skill Attainment, Completion, Persistence in both Traditional and Nontraditional students. Current students will see how previous students have benefited from our program and feel more encouraged to participate in & complete this program</i> • <i>Other measures to be improved/evidence:</i> <ul style="list-style-type: none"> • <i>We have, and will continue to, host workshops focused directly on Non-traditional Students to promote their participation in our program.</i> • <i>We have established a priority registration system to allow our Non-traditional students an added opportunity to participate in our program.</i> • <i>Our department will benefit from a higher level of perceived value from potential students who will look at the training resources before deciding to peruse training here at Bakersfield College. The quality of our incoming student will improve which will have a positive impact on the quality of student we will produce.</i>

	<ul style="list-style-type: none"> • <i>Our program has direct articulation with all local high schools. All of our classes are transferable to the UC system.</i> • <i>Our advisory committee is one of the most active on campus and keeps our faculty orientated on the issues that allow us to most effectively train employable students.</i> • <i>We have participated in one on one presentations with the feeder schools in our area.</i>
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Description of Project Activities and Spending Plan (add or delete rows as needed):

No.	Describe Activity	Timeline	Must Reference Requ'd. Use	Approx Amount of Funds Requested	Object Code	Description of Vendor
4.0	<p>Make Non-traditional students aware of the opportunities in our industry and the availability of specialized training from Bakersfield College. We use our linkages with area schools to market & recruit top quality students to our program. We will acknowledge our students who have earned Associates Degrees, Certificates, have participated in an internship, have gone to work in the industry or transferred to a 4 year university to encourage persistence & completion through recruiting</p>	<p>Immediately, as funds are made available</p>	<p>2, 3, 4, 5, 6, 9</p>	<p>\$5,000</p>		

Describe project details including:

- **who will responsible for project**
- **when it will be done**
- **what outcomes are expected or targeted and**
- **how/when/who assessment will be reported**

All automotive faculty

As soon as funds are available

Increases in all core indicator measurements

All Auto faculty will provide assessment data that is already being collect through the assessment of our students' comprehension. The data will be available to report upon request